

Amendments to the Claims

Please replace the existing listing of claims with the following:

1. (previously presented) A method for automated graphics conversion of graphic object data for efficient delivery from a graphic converter to wireless devices connected to a wireless communications network, the graphic object data defining a vector graphics object, the method comprising:

converting the graphic object data defining the vector graphics object from an edge record based format to a path format,

the edge record based format including a plurality of edge records each defining an edge of the graphic object, the edge records including information associating the defined edges with fill styles that the edges border against,

the path format including path elements that are each associated with a fill style and define one or more polygon shapes at least partially filled with the associated fill style, the path elements collectively defining the graphic object;

converting the graphic object data from the path format to a second format, the conversion including:

redefining the polygon shapes defined by the path elements as groups of triangles; and

combining at least some triangles in the groups of triangles into further polygon shapes that fall within complexity thresholds based on predetermined capabilities of a wireless device; and

transmitting the converted vector graphics object in the second format to the wireless device over the wireless communications network for display thereon.

2. (cancelled)

3. (currently amended) The method of claim 1 wherein the converting the graphic object data defining the vector graphics object from an edge record based format to a path format of first graphic object data includes:

for each fill style, identifying from the edge records each unique vertex that borders on the fill style and identifying each of the outgoing edges from the identified vertices that border on the fill style; and

for each fill style, creating the associated path element, based on the identified vertices and outgoing edges.

4. (original) The method of claim 3 wherein the path format is an SVG compatible format.

5. (original) The method of claim 3 wherein the edge record based format is an edge record based flash file format.

6. (previously presented) The method of claim 1 wherein the second format graphic object data includes information defining the further polygons.

7. (original) The method of claim 1 wherein the complexity thresholds are selected so that the further polygons each have a continuous interior fill style region without internal island contours.

8. (original) The method of claim 1 wherein the complexity thresholds are selected so that the further polygons each have only convex vertices.

9. (original) The method of claim 1 wherein the complexity thresholds are selected so that the further polygons each have under a predetermined number of sides.

10. (original) The method of claim 1 wherein the complexity thresholds are selected so that the further polygons are each simple polygons.

11. (previously presented) A method for automated graphics conversion of graphic object data for efficient delivery from a graphic converter to wireless devices connected to a wireless communications network, the graphic object data defining a vector graphics object, the conversion being from an edge record based format to a path format and

then to a path based triangulated format, the edge record based format including a plurality of edge records each defining an edge of the vector graphics object, the edge records including information associating the defined edges with fill styles that the edges border against, the path format including path elements that each define one or more polygon shapes that are filled with an associated fill style, the path elements collectively defining the vector graphics object, the method comprising:

- for each fill style, identifying from the edge records each unique vertex that borders on the fill style and identifying each of the outgoing edges from the identified vertices that border on the fill style;

- for each fill style, creating an associated path element defining one or more polygon shapes that are filled with the identified unique fill style, based on the identified vertices and outgoing edges;

- converting the graphic object data from the path format to the triangulated format by redefining the polygon shapes defined by the path elements as groups of triangles;

- converting the graphic object data from the triangulated format to a further format by combining at least some of triangles in the groups of triangles into further polygon shapes that fall within complexity thresholds based on predetermined capabilities of a wireless device; and

- transmitting the converted vector graphics object in the further format to the wireless device over the wireless communications network for display thereon.

12. (cancelled)

13. (cancelled)

14. (previously presented) A system for automated graphics conversion of initial graphic object data for efficient delivery from a graphic converter to wireless devices connected to a wireless communications network, the initial graphic object data defining a vector graphics object, the conversion being from an edge record based format to a path format, the edge record based format including a plurality of edge records each defining an edge of the vector graphics object, the edge records including information associating the defined edges with fill styles that the edges border against, the system for further

converting the graphic object data defining the vector graphics object having associated fill styles from the path format to a second format, the path format including path elements that are each associated with a fill style and define one or more polygon shapes at least partially filled with the associated fill style, the path elements collectively defining the vector graphics object, the system comprising:

- a first sub-converter for identifying each unique fill style in the edge record based format initial graphic object data, and for each identified unique fill style, identifying from the edge records each unique vertex that borders on the fill style and identifying each of the outgoing edges from the identified vertices that border on the fill style;

- a second sub-converter for creating the associated path element, based on the identified vertices and outgoing edges, for each identified unique fill style;

- a triangulation module for redefining the polygon shapes defined by the path elements as groups of triangles;

- a combining module for combining at least some of triangles in the groups of triangles into further polygon shapes that fall within complexity thresholds based on predetermined capabilities of a wireless device; and

- a transmitter for transmitting the converted vector graphics object to the wireless device over the wireless communications network for display thereon.

15. (cancelled)

16. (original) The system of claim 14 wherein the complexity thresholds are configured so that the further polygons each are selected from the group consisting of polygons that have a continuous interior fill style region without internal island contours, polygons that have only convex vertices, polygons that have under a predetermined number of sides, and polygons that are simple polygons.

17. (previously presented) A computer software product having a computer-readable medium tangibly embodying computer executable instructions for automated graphics conversion of graphic object data for efficient delivery from a graphic converter to wireless devices connected to a wireless communications network, the graphic object data defining a vector graphics object, the computer executable instructions comprising:

computer executable instructions for converting initially the graphic object data defining the vector graphics object from an edge record based format to a path format,

the edge record based format including a plurality of edge records each defining an edge of the vector graphics object, the edge records including information associating the defined edges with fill styles that the edges border against,

the path format including path elements that are each associated with a fill style and define one or more polygon shapes at least partially filled with the associated fill style, the path elements collectively defining the vector graphics object;

computer executable instructions for converting the graphic object data from the path format to a second format, the conversion including:

- (i) redefining the polygon shapes defined by the path elements as groups of triangles; and
- (ii) combining at least some of triangles in the groups of triangles into further polygon shapes that fall within complexity thresholds based on predetermined capabilities of a wireless device; and

computer executable instructions for transmitting the converted vector graphics object in the second format to the wireless device over the wireless communications network for display thereon.

18. (cancelled)

19. (previously presented) The method of claim 1, wherein the edge record based format is SWF and the path format is Scalable Vector Graphics (SVG) format.

20. (previously presented) The method of claim 11, wherein the edge record based is SWF and the path format is Scalable Vector Graphics (SVG) format.

21. (previously presented) The system of claim 14, wherein the edge record based format is SWF and the path format is Scalable Vector Graphics (SVG) format.

22. (previously presented) The computer software product of claim 17, wherein the edge record based format is SWF and the path format is Scalable Vector Graphics (SVG) format.